

## KTB FS 403020 S4E3

Weidmüller Interface GmbH & Co. KG  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Product image



The Klippon® TB enclosure range provides excellent performance characteristics, even under the most difficult environmental conditions. In addition, it complies with the stricter requirements of potentially explosive atmospheres found in process or power generation industries. The Klippon® TB FS enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB FS enclosure range features the following advantages:

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet

## General ordering data

Version	Klippon TB FS (Terminal Box - Fixing Screw), Empty enclosure, stainless steel enclosure, Height: 400 mm, Width: 300 mm, Depth: 200 mm, Gland plates: Bottom, left, right, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1196080000</a>
Type	KTB FS 403020 S4E3
GTIN (EAN)	4032248978854
Qty.	1 items

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## Technical data

## Approvals

## Approvals



ROHS

Conform

UL File Number Search

[UL Website](#)

Certificate no. (cULus)

E256877

## Dimensions and weights

Depth	200 mm
Height	400 mm
Width	300 mm
Mounting dimension - height	247 mm
Net weight	11216 g

Depth (inches)	7.874 inch
Height (inches)	15.748 inch
Width (inches)	11.811 inch
Mounting dimension - width	356 mm

## Temperatures

Operating temperature	-60 °C...135 °C	Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.
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## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

## Cable glands, left

M63	3
M12	48
M16	32
M25	17
M40	7

M75	2
M50	3
M32	9
M20	20

## Cable glands, right

M25	17
M75	2
M40	7
M32	9
M12	48

M63	3
M16	32
M50	3
M20	20

## Cable glands, top/bottom

M20	17
M63	2

M12	38
M40	6

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## Technical data

M32	7
M50	3
M16	26

M25	14
M75	2

## Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792
Certificate No. UL Ord.Loc.	E243298
Attestation of Conformatiy No. (AoC)	DE PS261X 160309 001SS06
Certificate No. Electronic Box (NEPSI)	2020322303003289
Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate No. (DNV)	TAE000013S
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEx)	IECExIBE14.0013
Certificate No. (IECEx)	IECExKEM10.0015U
Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus

Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001SS03
Certificate No. UL 508A	E223801
Certificate No. UL Terminal Box	E223792
Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U
Certificate no. Terminal Box (AEx)	E223792
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. (INMETRO)	IEX13.0006U
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U
Certificate No. (ATEX)	KEMA10ATEX0046U
Certificate no. (cULus)	E256877

## General information

Material thickness of cover	1.5 mm
Material thickness of enclosure	1.5 mm
Operating temperature, min.	-60 °C
Standards	DIN EN 62208 - Empty enclosure standard, DIN EN 15085-2, EN 60079-0, EN 60079-7, EN 60079-31, IEC 60079-0, IEC 60079-7, IEC 60079-31
Impact resistance	7 J ATEX version, 10 J version standard
Protection degree	IP66, IP67
Seal material	Silicone
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
Protection class (UL)	Type 3, Type 4X, Type 12
Gland plates	Bottom, left, right
Access opening: width	270 mm
Flange plate	Yes
Access opening: height	370 mm
Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore

Material thickness of flange	3 mm
Operating temperature, max.	135 °C
Lid attachment	M6 hex-head slotted screws SW10
Surface finish	electropolished
AF size	10 mm
Basic material	Stainless steel 1.4404 (316L)
Torque for lid screws	2.5 Nm
Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Flange plate mounting	M6 hexagonal head screws 10 SW
Number of lid screws	4
Dimension of box	490x550x290
Overall dimensions	411 x 381 x 208.5
Max. payload	48 kg
Position PE bolts	Enclosure side C

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**Technical data****Housing earth**

Earth, enclosure, internal      Welded-on M6 stainless-steel earth stud in enclosure body and lid., Continuous M10 earth stud in body enclosure

**horizontal assembly**

WDU 10 / ZDU 10	2x21	WDU 16 / ZDU 16	2x18
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x42	WDU 35 / ZDU 35	1x13
WDU 4 / ZDU 4	3x35	WDU 6 / ZDU 6	2x26

**vertical assembly**

WDU 10 / ZDU 10	1x32	WDU 16 / ZDU 16	1x26
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x62	WDU 35 / ZDU 35	1x20
WDU 4 / ZDU 4	2x52	WDU 6 / ZDU 6	1x39

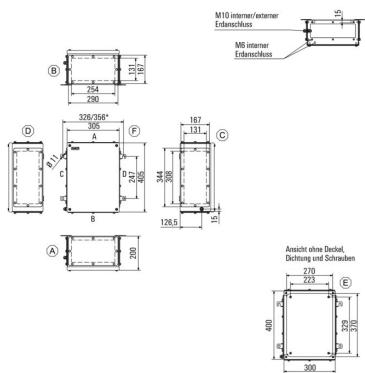
**Classifications**

ETIM 8.0	EC002503	ETIM 9.0	EC002503
ETIM 10.0	EC002503	ECLASS 14.0	27-18-05-02
ECLASS 15.0	27-18-05-02		

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**Drawings****Dimensioned drawing**

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## Accessories

## 400 x 300mm



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## Mounting plates

Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

## General ordering data

Type	KTB MOPL 4030 MSZN	Version
Order No.	<a href="#">1193980000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028584	
Qty.	1 ST	
Type	KTB MOPL 4030 S2N	Version
Order No.	<a href="#">1193850000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028454	
Qty.	1 ST	
Type	KTB MOPL 4030 MSZN H	Version
Order No.	<a href="#">2022420000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403268	
Qty.	1 ST	
Type	KTB MOPL 4030 S2N H	Version
Order No.	<a href="#">1257690000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049350	
Qty.	1 ST	

## Gland plates without earthing studs



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## Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

## General ordering data

Type	KTB GP XX3020 AB S4 3MM	Version
Order No.	<a href="#">1281050000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 290 mm, Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4050118071535	
Qty.	1 ST	
Type	KTB GP 40XX20 CD S4	Version
Order No.	<a href="#">1281060000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 344 mm, Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Basic material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4050118071856	
Qty.	1 ST	

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## Accessories

## Gland plates made out of stainless steel - 6 mm



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## Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

## General ordering data

Type	KTB GP XX3020 AB S4 6MM	Version
Order No.	<a href="#">1256450000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 290 mm,
GTIN (EAN)	4050118093841	Width: 167 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Type	KTB GP 40XX20 CD S4 6MM	Version
Order No.	<a href="#">1256470000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 344 mm,
GTIN (EAN)	4050118093858	Width: 167 mm, Depth: 6 mm, Gland plates: left, right, Basic material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

## Gland plates with earthing studs



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## Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

## General ordering data

Type	KTB GP 40XX20 CD S4 PE	Version
Order No.	<a href="#">2023480000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 344 mm,
GTIN (EAN)	4050118403992	Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Basic material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver
Type	KTB GP XX3020 AB S4 PE	Version
Order No.	<a href="#">2023450000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 290 mm,
GTIN (EAN)	4050118403640	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver

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## Accessories

## Stainless steel 1.4301



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## Rain Covers

The rain cover provides an ideal, additional level of protection for the enclosure if it is installed in unusual climatic zones with, for instance, very heavy rainfall or extreme levels of direct sunlight.

## General ordering data

Type	KTB RNHD 403020 R	Version
Order No.	<a href="#">1281440000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 305
GTIN (EAN)	4050118072129	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4301, Mirror
Qty.	1 ST	polished, silver

## Stainless steel 1.4404 (316L)



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## Rain Covers

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## General ordering data

Type	KTB RNHD XX3020 S4E R	Version
Order No.	<a href="#">1314180000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 305
GTIN (EAN)	4050118117486	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

## Type label holder



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## Nameplate holders

There are a variety of designed label holders available for prominent display as required and for additional nameplates as needed.

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## Accessories

## General ordering data

Type	TPSDHA KTB 100X25 S2 2R	Version
Order No.	<a href="#">1257640000</a>	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 25
GTIN (EAN)	4050118070354	mm, Width: 141 mm, Depth: 16.5 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Type	TPSDHA KTB 130X50 S2 R	Version
Order No.	<a href="#">1283450000</a>	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 50
GTIN (EAN)	4050118073621	mm, Width: 171 mm, Depth: 16.5 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Type	TPSDHA KTB 70X70M3 S2 R	Version
Order No.	<a href="#">1279320000</a>	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 70
GTIN (EAN)	4050118070101	mm, Width: 70 mm, Depth: 20 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver

## Installation material



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The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

## Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

The label fastening set – SD is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.

The universal fastening set – TPSD has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

## General ordering data

Type	SD FIXING SET	Version
Order No.	<a href="#">1285200000</a>	Klippon TB (Terminal Box), Identification plate fixing set, Height: 12
GTIN (EAN)	4050118075472	mm, Width: 12 mm, Depth: 16.4 mm, Basic material: Stainless steel, rust-proof, untreated, silver
Qty.	1 ST	
Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	Klippon TB (Terminal Box), Type plate fixings set, Basic material:
GTIN (EAN)	4050118043969	Stainless steel, rust-proof, untreated, silver
Qty.	20 ST	

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## Accessories

## Earthing stud



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## Earthing bolt

Earthing bolts to exchange as a complete component in two versions – brass and stainless steel.

## General ordering data

Type	PEBZ M10 KTB BR SET	Version
Order No.	<a href="#">1192680000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height:
GTIN (EAN)	4032248974641	21 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Brass, untreated, silver
Qty.	1 ST	
Type	PEBZ M10 KTB S4 SET	Version
Order No.	<a href="#">1192690000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21
GTIN (EAN)	4032248974658	mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Stainless steel
Qty.	1 ST	1.4404 (316L), untreated, silver

## Document holders



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## Document holders

Document holders for the proper storage of documents in the enclosure

## General ordering data

Type	DOHA KTB A6 S2 R	Version
Order No.	<a href="#">1252780000</a>	Klippon TB (Terminal Box), Document holders, Riveted, Height: 110
GTIN (EAN)	4050118045512	mm, Width: 130 mm, Depth: 20 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver

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## Accessories

## Grounding strap

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application. The following options are available:

- Closure Elements
- Document holders
- Earthing stud
- Gland plates
- Installation material
- Mounting plates
- Rain hoods
- Spacer
- Terminal rails
- Type label holder

## General ordering data

Type	PECD WIRE 6/200/D6 SET	Version
Order No.	<a href="#">2475490000</a>	Klippon TB (Terminal Box), Grounding strap, Ssrewed, Basic material:
GTIN (EAN)	4050118487206	Steel, Green/yellow
Qty.	1 ST	

## Depth 7.5 mm



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## Terminal rails

The mounting rails are available in two sizes for mounting DIN rails (e.g. electronics, terminals) components in the enclosures.

## General ordering data

Type	TS35X7.5 ST KTB4030 HOR	Version
Order No.	<a href="#">8000006723</a>	Rail, TS 35, TS 35 x 7.5, Width: 239 mm, without slot, Steel,
GTIN (EAN)	4050118652918	galvanized, chromium-plated
Qty.	20 ST	
Type	TS35X7.5 ST KTB4030 VER	Version
Order No.	<a href="#">8000006712</a>	Rail, TS 35, TS 35 x 7.5, Width: 345 mm, without slot, Steel,
GTIN (EAN)	4050118652857	galvanized, chromium-plated
Qty.	20 ST	

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## Accessories

## Mounting plates



Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

## General ordering data

Type	GFSC M5X10 TX20 SET	Version
Order No.	<a href="#">1274150000</a>	Klippon EB (Essential Box), Mounting screw, Height: 13.3 mm, Width:
GTIN (EAN)	4050118063820	8.5 mm, Depth: 8.5 mm, Basic material: Steel, galvanized, galvanic
Qty.	1 ST	zinc plated and passivated, silver

## Depth 15 mm



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## Terminal rails

The mounting rails are available in two sizes for mounting DIN rails (e.g. electronics, terminals) components in the enclosures.

## General ordering data

Type	TS35X15 ST KTB4030 HOR	Version
Order No.	<a href="#">8000073115</a>	Rail, TS 35, TS 35 x 15, Width: 239 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340683	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB4030 VER	Version
Order No.	<a href="#">8000073116</a>	Rail, TS 35, TS 35 x 15, Width: 345 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340706	zinc plated and passivated
Qty.	20 ST	

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## Accessories

## Installation material



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## Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

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## General ordering data

Type	FKSC M6X8 D9/SW3	Version
Order No.	<a href="#">0642600000</a>	Klippon TB (Terminal Box), Mounting screw, Basic material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 ST	